



Characteristics

- More compacted Ø6 shaft encoder, B type flange gear shaft, 24 wheels 0.6mm ditch depth.
- s.s shaft ensures more safety and stability.
Various shaft length can satisfy different applications.
- Metal crust is more shock resistant.
Compact structure suitable for tight mounting space.
- Direct cable output or connector is much more flexible and easy for maintenance.
The water-proof end rubber ensures high safety.
- Short-circuit protection. Reverse connection protection.

Naming Rules

CI 40 B Y 6 - L5 P - 1024 . XXXX

1 2 3 4 5 6 7 8 9

1. Series

CI = Topydic Incremental

2. Housing Diameter

40

3. Flange Type

A=Ø20 clamp flange with synchro flange ditch, axis length 15mm

B=Ø20 clamp flange with synchro flange ditch, axis length 12.5mm

C=Ø20 clamp flange with synchro flange ditch, axis length 10mm

D=□44 square flange, axis length 15mm

E=Ø20 clamp flange with synchro flange ditch, gear shaft depth 0.6mm, shaft length 15mm

4. Output direction

Y=Radial

X=axis

5. Shaft Diameter

6=Ø6mm

6. Output & Supply voltage¹⁾

L5=RS422(with reverse sign)

5Vdc power

L6=RS422(with reverse sign)

10~30Vdc power

L4=RS422(with reverse sign)

5~30Vdc power

H6=Push-Pull HTL(with reverse sign)

10~30Vdc power

H4=Push-Pull HTL(with reverse sign)

5~30Vdc power

P6=Push-Pull(without reverse sign)

10~30Vdc power

P4=Push-Pull(without reverse sign)

5~30Vdc power

E4=Push-Pull7272 HTL(with reverse sign)

5~30Vdc power

N4=NPN output

5~30Vdc power

C4=NPN collector open

5~30Vdc power

7. Type of connection

P=Metal fixer output cable length 0.5m(IP66)

R=Ruber fixer output cable length 0.5m(IP64)

8. Resolution

Pulse/r ≤5000

Attention:for pulse scale pls contact our company

9. XXXX

XXXX=special code

1) Only one channel allowed to be shorted-out

ifUb=5V, short-circuit to channel,0V,or+UB is permitted

ifUb=10...30V short-circuit to channel or 0V is permitted

Mechanical Characteristics

Shaft (mm)		Ø6g6 E type gear shaft 24 wheels 0.6 diph
Protection acc.to EN 60 529		IP64 standard, IP66(Max)
Resolution		10,20,30,40,50,60,70,80,90,100,200,300,360,400,500,512,600,800,1000,1024,1200,1250,1500,2000,2500,4000,5000
Speed (r/m)		12000(IP64) ; 6000(IP66)
Max load capacity of shaft	Axial load capacity	60N
	Radial load capacity	100N
Shock resistance		50G/11ms
Vibration resistance		10G 10~2000Hz
Bearing life		10 ⁹ revolution
Rotor moment of inertia		1.9×10 ⁻⁶ kgm ²
Starting torque		<0.03Nm(without oil seal);<0.08Nm(with oil seal)
Body material		AL-alloy
Housing material		AL-alloy + Black Paint
Operating temperature		-20~+90°C
Storage temperature		-25~+100°C
Weight		110g

Attention: Bold part is in stock. For other resolution pls contact our company

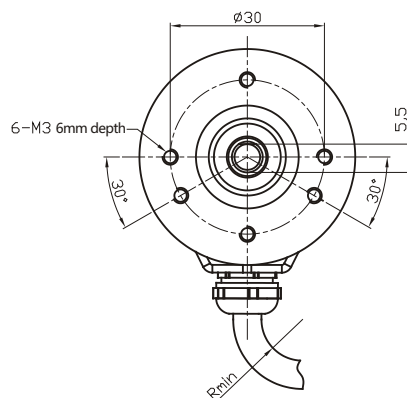
Electrical Characteristics

Output circuit	RS422	Push-pull	Push-pull	Push-pull7272
Resolution	Max.5000ppr	Max.5000ppr	Max.5000ppr	Max.5000ppr
Supply voltage (Vdc)	5±0.25or5 (1) -30	10-30V	5-30V	5-30V
Power consumption (no load)	≤80mA	≤125mA	≤125mA	≤125mA
Permissible load/channel	±50mA	±80mA	±80mA	±80mA
Pulse frequency	Max.800kHz	Max.800kHz	Max.800kHz	Max.800kHz
Signal level high	Min.3.4V	Min.Ub-1.8	Min.Ub-1.8	Min.Ub-2.5
Signal level low	Max.0.4V	Max.2.0V	Max.0.4V	Max.0.4V
Rise time Tr	Max 200ns	Max 1μs	Max 1μs	Max 1μs
Fall time Tf	Max 200ns	Max 1μs	Max 1μs	Max 1μs

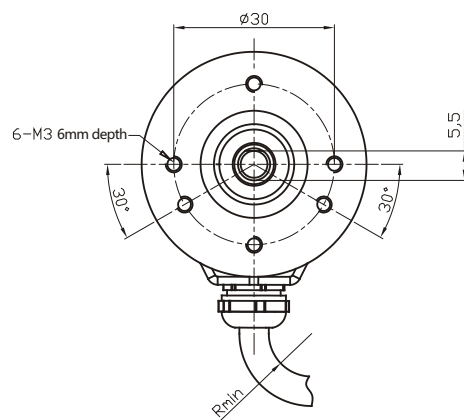
Terminal Assignment

Signal	0V	+Ub	A	$\bar{A}$	B	$\bar{B}$	Z	$\bar{Z}$	0V Sen	+Ub Sen	Shield
Color	WH	BN	GN	YE	GY	PK	BU	RD	GY/PK	RD/BU	$\perp$

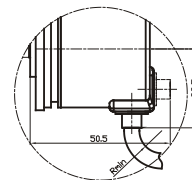
CI40A



CI40B

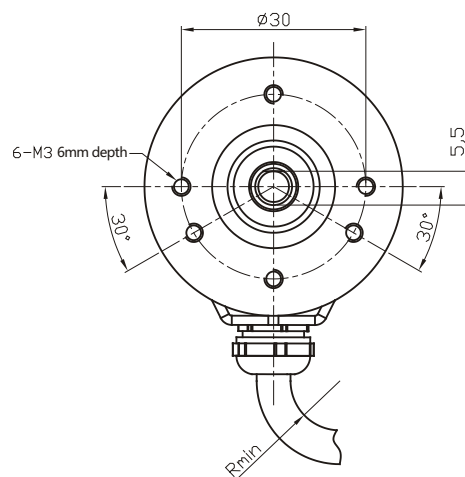


Ruber fixer output



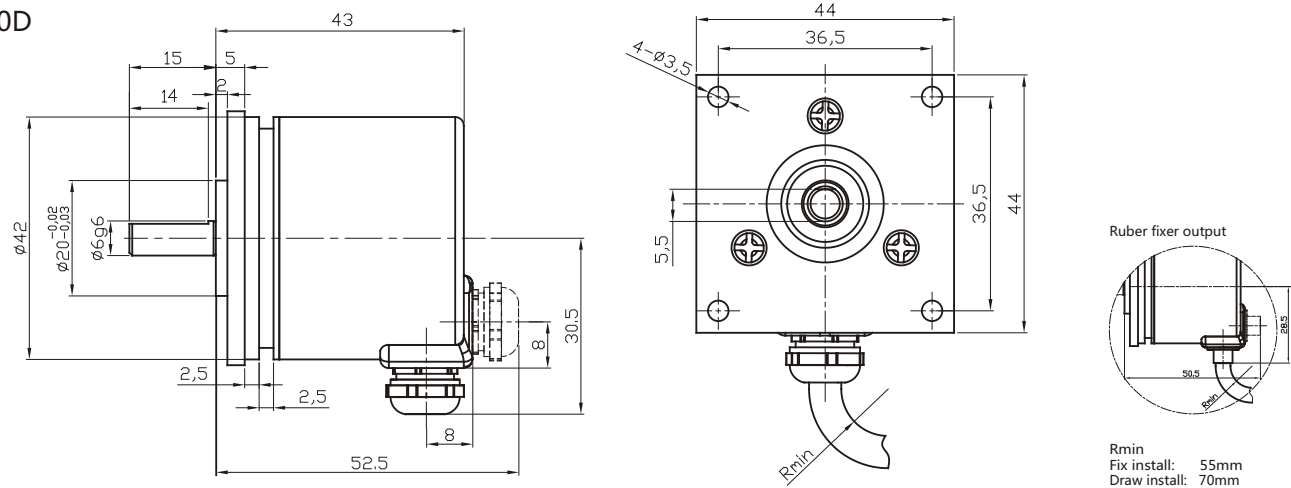
Rmin
Fix install: 55mm
Draw install: 70mm

CI40C

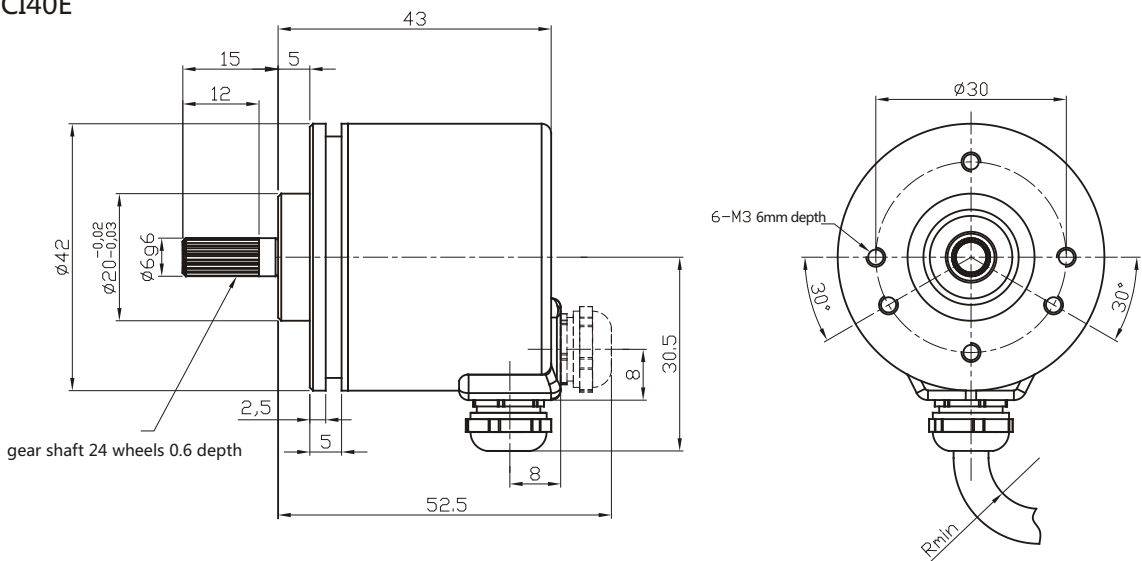


Dimensions

CI40D



CI40E





Characteristics

- More compacted Ø6/Ø8 hollow shaft encoder saves the installation space & cost.
- Block-pin or double wing spring install accessory creates more flexible connections and more free angle.
- Metal crust is more shock resistant.
Compact structure suitable for tight mounting space.
- Direct cable output or connector is much more flexible and easy for maintenance.
The water-proof end rubber ensures high safety.
- Short-circuit protection. Reverse connection protection.

Naming Rules

CI 40 G Y 6 - L5 P - 1024 . XXXX

1 2 3 4 5 6 7 8 9

1. Series

CI = Topydic Incremental

2. Housing Diameter

40

3. Flange Type

H=flexible fastening arm
G=short torque support slot
K=long torque support slot
F=double-winged stator coupling

4. Output direction

Y=Radial
X=axis

5. Shaft Diameter

6=Ø6mm,with oil-seal
8=Ø8mm,with oil-seal

Diameter	Lock ring	Install screw
Ø6	BE41230008	BE23231001
Ø8	BE41230052	BE23231001

6. Output & Supply voltage¹⁾

L5=RS422(with reverse sign)	5Vdc power
L6=RS422(with reverse sign)	10~30Vdc power
L4=RS422(with reverse sign)	5~30Vdc power
H6=Push-Pull HTL(with reverse sign)	10~30Vdc power
H4=Push-Pull HTL(with reverse sign)	5~30Vdc power
P6=Push-Pull(without reverse sign)	10~30Vdc power
P4=Push-Pull(without reverse sign)	5~30Vdc power
E4=Push-Pull7272 HTL(with reverse sign)	5~30Vdc power
C4=NPN collector open	5~30Vdc power

7. Type of connection

P=Metal fixer output cable length 0.5m(IP66)
R=Ruber fixer output cable length 0.5m(IP64)

8. Resolution

Pulse/r ≤5000
Attention:for pulse scale pls contact our company

8. XXXX

XXXX=special code

1) Only one channel allowed to be shorted-out
ifUb=5V, short-circuit to channel,0V,or+UB is permitted
ifUb=10...30V short-circuit to channel or 0V is permitted

Mechanical Characteristics

Hollow Shaft (mm)		Ø6H7/Ø8H7
Protection acc.to EN 60 529		IP64 standard, IP66(Max)
Resolution		10,20,30,40,50,60,70,80,90,100,200,300,360,400,500,512,600,800,1000,1024,1200,1250,2000,2500 , 4000,5000
Speed (r/m)		12000 (IP64) ; 6000(IP66)
Max load capacity of shaft	Axial load capacity	60N
	Radial load capacity	100N
Shock resistance		50G/11ms
Vibration resistance		10G 10 ~ 2000Hz
Bearing life		10 ⁸ revolution
Rotor moment of inertia		1.9×10 ⁻⁶ kgm ²
Starting torque		<0.03Nm(without oil seal);<0.08Nm(with oil seal)
Body material		AL-alloy
Housing material		AL-alloy + Black Paint
Operating temperature		-20 ~ +90°C
Storage temperature		-25 ~ +100°C
Weight		110g

Attention: Bold part is merchant in hand other resolution pls connect our company.

Electrical Characteristics

Output circuit	RS422	Push-pull	Push-pull	Push-pull7272
Resolution	Max.5000ppr	Max.5000ppr	Max.5000ppr	Max.5000ppr
Supply voltage (Vdc)	5±0.25or5(10)-30	10-30	5-30	5-30
Power consumption (no load)	≤80mA	≤125mA	≤125mA	≤125mA
Permissible load/channel	±50mA	±80mA	±80mA	±80mA
Pulse frequency	Max.800kHz	Max.800kHz	Max.800kHz	Max.800kHz
Signal level high	Min.3.4V	Min.Ub-1.8	Min.Ub-1.8	Min.Ub-2.5
Signal level low	Max.0.4V	Max.2.0V	Max.0.4V	Max.0.4V
Rise time Tr	Max 200ns	Max 1μS	Max 1μS	Max 1μS
Fall time Tf	Max 200ns	Max 1μS	Max 1μS	Max 1μS

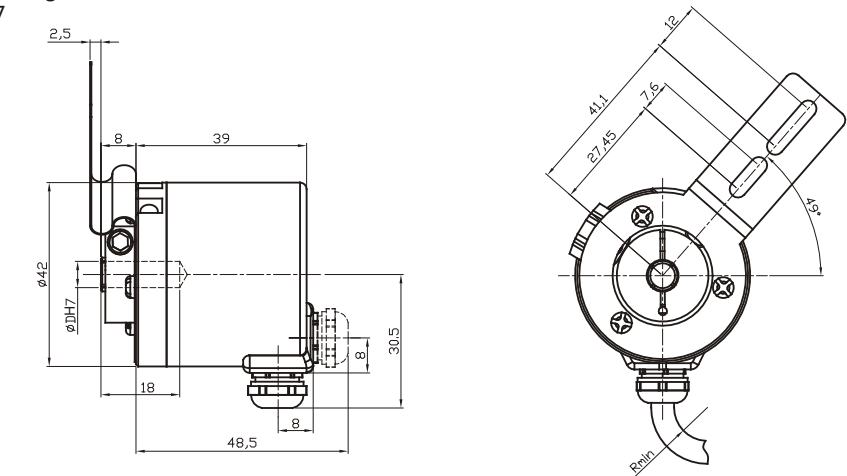
Terminal Assignment

Signal	0V	+Ub	A	$\bar{A}$	B	$\bar{B}$	Z	$\bar{Z}$	0V Sen	+Ub Sen	Shield
Color	WH	BN	GN	YE	GY	PK	BU	RD	GY/PK	RD/BU	$\perp$

Dimensions

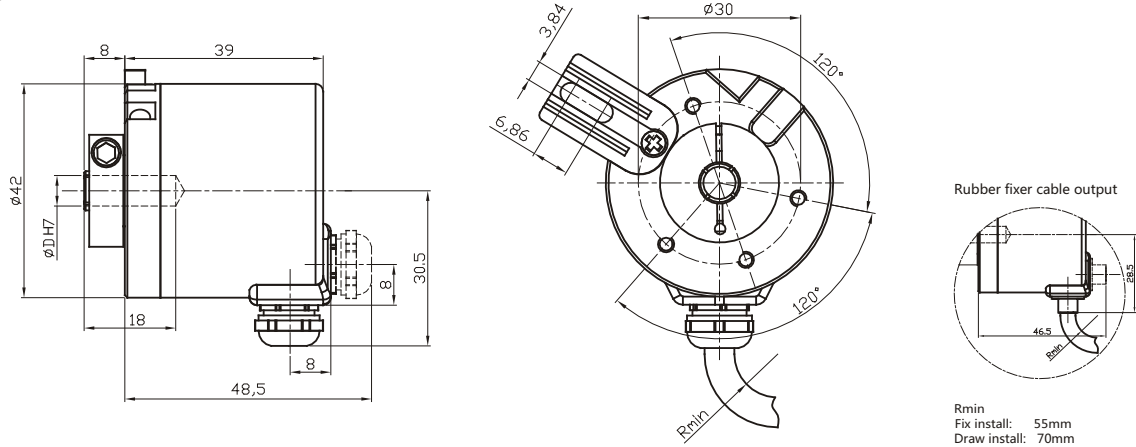
CI40H

Flexible fastening arm :
BE41350057



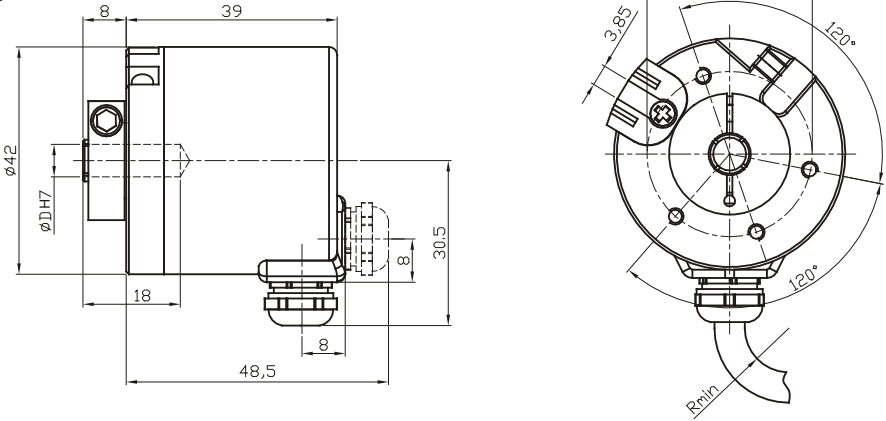
CI40K

Long torque support slot :
BE23250006



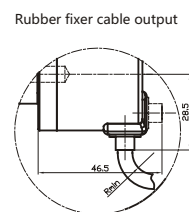
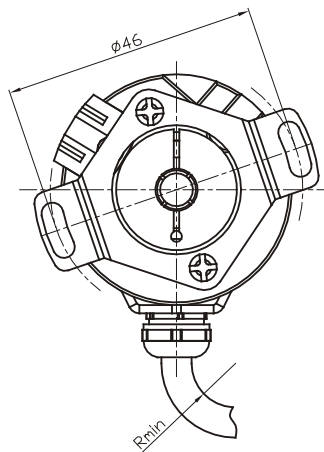
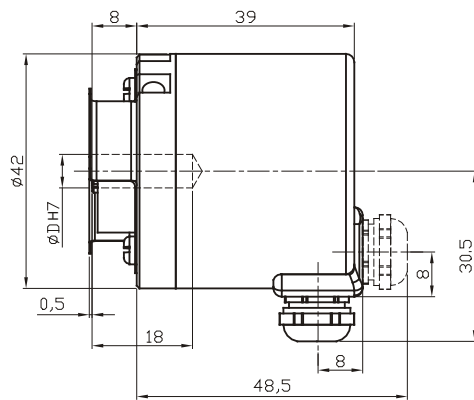
CI40G

Short torque support slot :
BE23250010



CI40F

BE41350004



Rmin
Fix install: 55mm
Draw install: 70mm



Characteristics

- The resolution is 5000 pulse/r max. output frequency is up to 800kHz.
- s.s shaft Ø6/Ø8/Ø10 Flexible coupling connection ensures encoder safety.
- Many kinds of flanges, incl. British system size, fit site installation requirements.
- Metal crust is shock resistant. Compact structure suitable for tight space mounting.
- Protect level IP66.
- Direct cable output or connector is much more flexible and easy for maintenance. The water-proof end rubber ensures high safety.
- Short-circuit protection. Reverse connection protection

Naming Rules

CI 58 B Y 6-L5 T-1024 . XXXX

1 2 3 4 5 6 7 8 9

1. Series

CI = Topydic Incremental

2. Housing Diameter

58

3. Flange Type

A=Ø31.75clamping flange,shaft length 20mm

B=synchronous flange,shaft 6,length 10mm

C=Ø36clamping flange,shaft length 20mm

D=Ø63.5 square flange,shaft 31.75h7,length20mm

4. Output direction

Y=Radial

X=axis

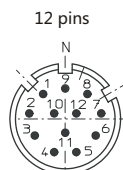
5. Shaft Diameter

6=Ø6mm(CI58B)

8=Ø8mm

9=Ø9.52mm×22.2mm (3/8"×7/8")

10=Ø10mm



Accessory:
Connector with "T" code: BTMSP1612F

6. Output & Supply voltage¹⁾

L5=RS422(with reverse sign)

5Vdc power

L6=RS422(with reverse sign)

10~30Vdc power

L4=RS422(with reverse sign)

5~30Vdc power

H6=Push-Pull HTL(with reverse sign)

10~30Vdc power

H4=Push-Pull HTL(with reverse sign)

5~30Vdc power

P6=Push-Pull(without reverse sign)

10~30Vdc power

P4=Push-Pull(without reverse sign)

5~30Vdc power

E4=Push-Pull7272 HTL(with reverse sign)

5~30Vdc power

N4=NPN output

5~30Vdc power

C4=NPN collector open

5~30Vdc power

7. Type of connection

P=Output cable length 1.5m

T=M23,12pins plug without connector

(If customer have special need,pls connect our company)

8. Resolution

Pulse/r ≤5000

Attention:for pulse scale pls contact our company

9. XXXX

XXXX=special code

1) Only one channel allowed to be shorted-out

ifUb=5V. short-circuit to channel,0V,or+UB is permitted

ifUb=10...30V short-circuit to channel or 0V is permitted

Mechanical Characteristics

Shaft (mm)		Ø6g6/Ø8g6/Ø10g6
Protection acc.to EN 60 529		IP64 standard, IP66(Max)
Resolution		10,20,30,40,50,60,70,80,90,100,200,300,360,400,500,512,600,800,1000,1024,1200,1250,1440,2000,4000,2048,4096,2500,5000
Speed (r/m)		12000(IP64);6000(IP66)
Max load capacity of shaft	Axial load capacity	60N
	Radial load capacity	120N
Shock resistance		50G/11ms
Vibration resistance		10G 10 ~ 2000Hz
Bearing life		10 ⁹ revolution
Rotor moment of inertia		1.9×10 ⁻⁶ kgm ²
Starting torque		<0.01Nm(IP64);<0.05Nm (IP66)
Body material		AL-alloy
Housing material		AL-alloy + Black Paint
Operating temperature		-20 ~ +90°C
Storage temperature		-40 ~ +100°C
Weight		300g

Attention: Bold part is in stock. For other resolution pls contact our company

Electrical Characteristics

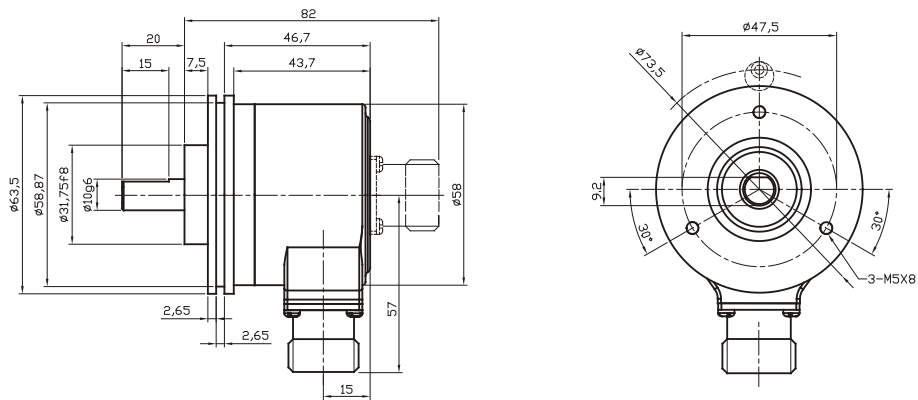
Output circuit	RS422	Push-pull	Push-pull	Push-pull7272
Resolution	Max.5000ppr	Max.5000ppr	Max.5000ppr	Max.5000ppr
Supply voltage (Vdc)	5±0.25or5(10)-30	10-30	5-30	5-30
Power consumption (no load)	≤80mA	≤125mA	≤125mA	≤125mA
Permissible load/channel	±50mA	±80mA	±80mA	±80mA
Pulse frequenment	Max.800kHz	Max.800kHz	Max.800kHz	Max.800kHz
Signal level high	Min.3.4V	Min.Ub-1.8	Min.Ub-1.8	Min.Ub-2.5
Signal level low	Max.0.4V	Max.2.0V	Max.0.4V	Max.0.4V
Rise time Tr	Max 200ns	Max 1μS	Max 1μS	Max 1μS
Fall time Tf	Max 200ns	Max 1μS	Max 1μS	Max 1μS

Terminal Assignment

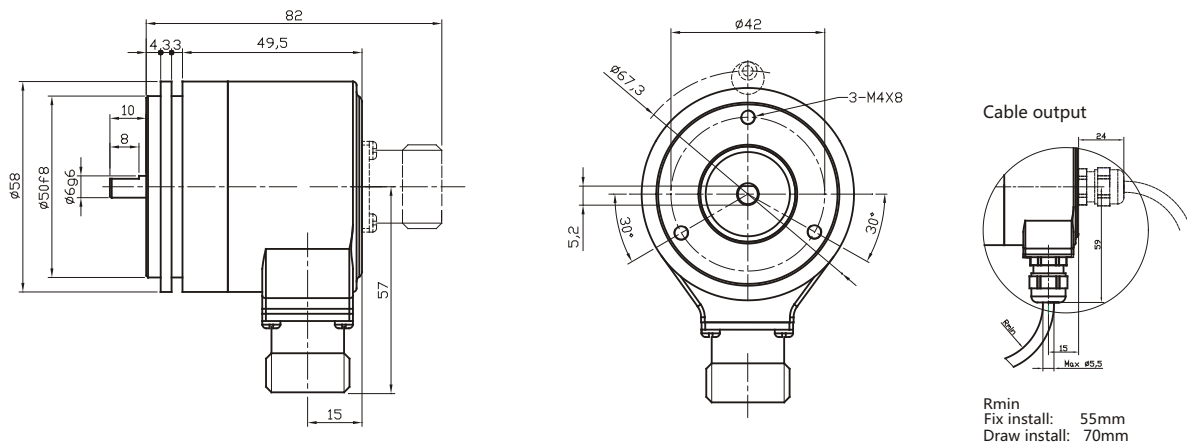
Signal	0V	+Ub	A	$\bar{A}$	B	$\bar{B}$	Z	$\bar{Z}$	0V Sen	+Ub Sen	Shield
Color	WH	BN	GN	YE	GY	PK	BU	RD	GY/PK	RD/BU	$\perp$
Pin	10	12	5	6	8	1	3	4	11	2	PH

Dimensions

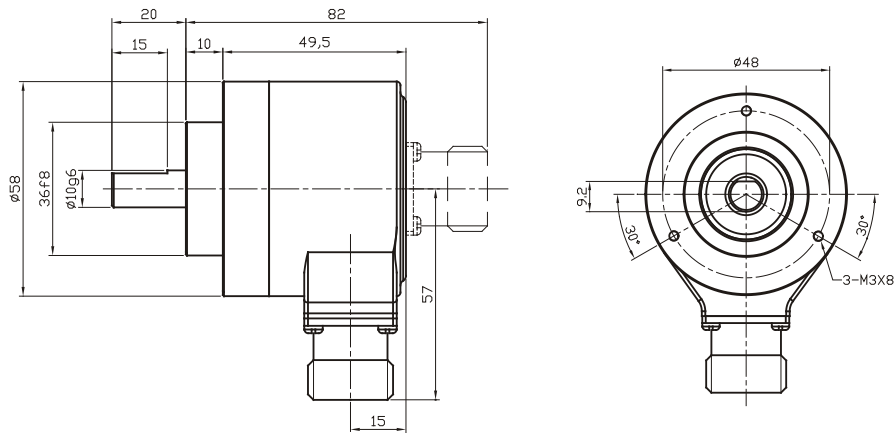
CI58A



CI58B

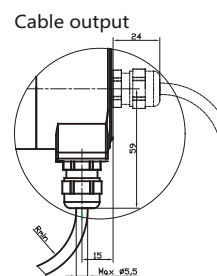
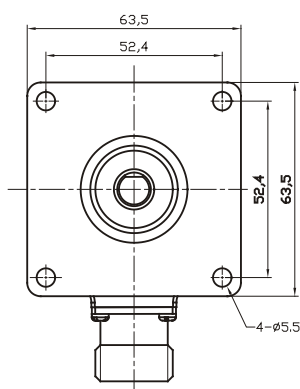
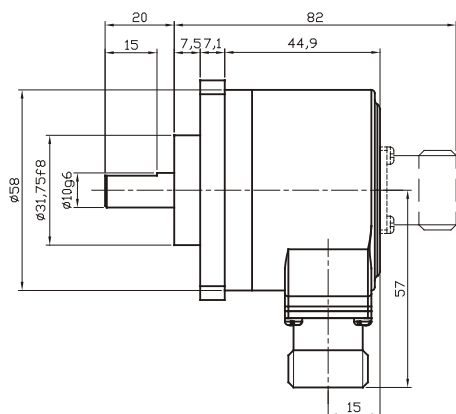


CI58C



Dimensions

CI40F



Rmin
Fix install: 55mm
Draw install: 70mm



Characteristics

- Protect level IP66
- s.s hollow shaft $\varnothing 8/\varnothing 10/\varnothing 12/\varnothing 14/\varnothing 15$ "C" lock ring fix install.
- Compact hollow shaft design saves installation space and cost.
- Block-pin or double wing spring install accessory creates more flexible connections and more free angle.
- Metal crust is more shock resistant.
Compact structure suitable for tight mounting space.
- Reserve screws for optional installation methods.
- Direct cable output or connector is much more flexible and easy for maintenance.
The water-proof end rubber ensures high safety.
- Short-circuit protection. Reverse connection protection

Naming Rules

CI 58 P Y 8-L5 T-1024 . XXXX

1 2 3 4 5 6 7 8 9

1. Series

CI = Topydic Incremental

2. Housing Diameter

58

3. Flange Type

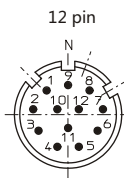
P=without accessories
H=flexible fastening arm
Q=short torque support slot
K=long torque support slot
W=double-wing stator coupling

4. Output direction

Y=Radial
X=axis

5. Shaft Diameter

8R= $\varnothing 8$ mm with oil seal
9R= $\varnothing 9.52$ mm with oil seal
10R= $\varnothing 10$ mm with oil seal
12R= $\varnothing 12$ mm with oil seal
14R= $\varnothing 14$ mm with oil seal
15R= $\varnothing 15$ mm with oil seal
8= $\varnothing 8$ mm without oil seal
9= $\varnothing 9.52$ mm without oil seal
10= $\varnothing 10$ mm without oil seal
12= $\varnothing 12$ mm without oil seal
14= $\varnothing 14$ mm without oil seal
15= $\varnothing 15$ mm without oil seal



Diameter	Lock ring	Install screw
$\varnothing 8$	BE41230034	M3×8
$\varnothing 9.52$	BE41230033	M3×8
$\varnothing 10$	BE41230032	M3×8
$\varnothing 12$	BE41230031	M3×8
$\varnothing 14$	BE41230030	M3×8
$\varnothing 15$	BE41230029	M3×8

Accessory:
Connector with "T" code: BTMSP1612F

6. Output & Supply voltage¹⁾

L5=RS422(with reverse sign)	5Vdc power
L6=RS422(with reverse sign)	10~30Vdc power
L4=RS422(with reverse sign)	5~30Vdc power
H6=Push-Pull HTL(with reverse sign)	10~30Vdc power
H4=Push-Pull HTL(with reverse sign)	5~30Vdc power
P6=Push-Pull(without reverse sign)	10~30Vdc power
P4=Push-Pull(without reverse sign)	5~30Vdc power
E4=Push-Pull7272 HTL(with reverse sign)	5~30Vdc power
N4=NPN output	5~30Vdc power
C4=NPN collector open	5~30Vdc power

7. Type of connection

P=Output cable length 1.5m
T=M23,12pins plug without connector
If customer have special requirement,pls contact our company

8. Resolution

Pulse/r ≤ 5000
Attention:for pulse scale pls contact our company

9. XXXX

XXXX=special code

1) Only one channel allowed to be shorted-out
if Ub=5V, short-circuit to channel, 0V, or +Ub is permitted
if Ub=10...30V short-circuit to channel or 0V is permitted

Mechanical Characteristics

Hollow Shaft (mm)		Ø8H7/Ø10H7/Ø12H7/Ø14H7/Ø15H7
Protection acc.to EN 60 529		IP64 standard, IP66(Max)
Resolution		10,20,30,40,50,60,70,80,90,100,200,300,360,400,500,512,600,800,1000,1024,1200,1250,1500,2000,2500,4000,5000
Speed (r/m)		12000(IP64); 6000(IP66)
Max load capacity of shaft	Axial load capacity	70N
	Radial load capacity	130N
Shock resistance		50G/11ms
Vibration resistance		10G 10 ~ 2000Hz
Bearing life		10 ⁹ revolution
Rotor moment of inertia		1.9×10 ⁻⁶ kgm ²
Starting torque		<0.03Nm(without oil seal); <0.08Nm(with oil seal)
Body material		AL-alloy
Housing material		AL-alloy + Black Paint
Operating temperature		-20 ~ +90°C
Storage temperature		-25 ~ +100°C
Weight		500g

Attention: Bold part is in stock. For other resolution pls contact our company

Electrical Characteristics

Output circuit	RS422	Push-pull	Push-pull	PPush-pull7272
Resolution	Max.5000ppr	Max.5000ppr	Max.5000ppr	Max.5000ppr
Supply voltage (Vdc)	5±0.25or5(10)-30	10-30	5-30	5-30
Power consumption (no load)	≤80mA	≤125mA	≤125mA	≤125mA
Permissible load/channel	±50mA	±80mA	±80mA	±80mA
Pulse frequency	Max.800kHz	Max.800kHz	Max.800kHz	Max.800kHz
Signal level high	Min.3.4V	Min.Ub-1.8	Min.Ub-1.8	Min.Ub-2.5
Signal level low	Max.0.4V	Max.2.0V	Max.0.4V	Max.0.4V
Rise time Tr	Max 200ns	Max 1μS	Max 1μS	Max 1μS
Fall time Tf	Max 200ns	Max 1μS	Max 1μS	Max 1μS

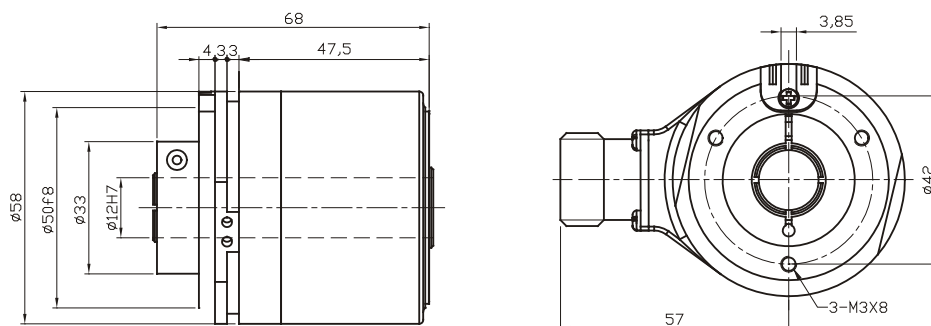
Terminal Assignment

Signal	0V	+Ub	A	$\bar{A}$	B	$\bar{B}$	Z	$\bar{Z}$	0V Sen	+Ub Sen	Shield
Color	WH	BN	GN	YE	GY	PK	BU	RD	GY/PK	RD/BU	$\perp$
Pin	10	12	5	6	8	1	3	4	11	2	PH

Dimensions

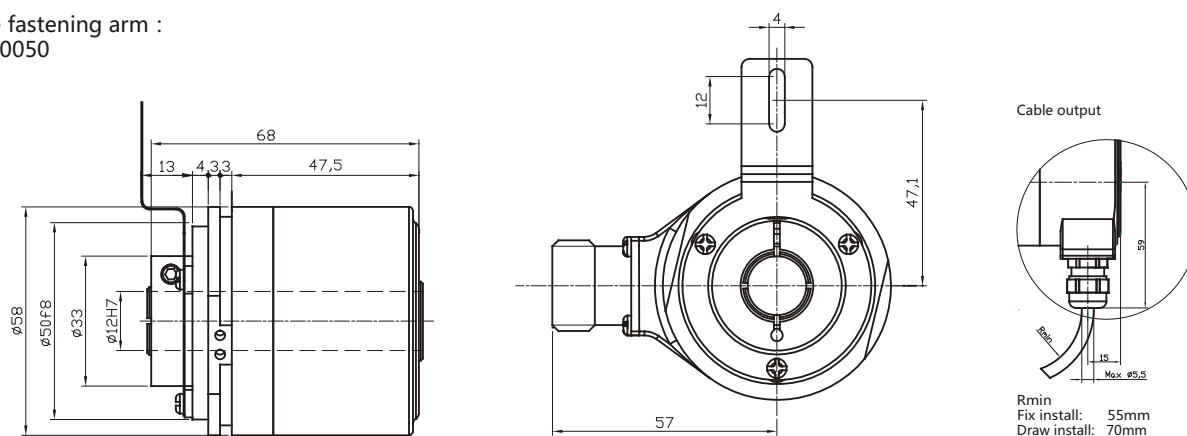
CI58P(Q)

P without accessories
Q short torque support slot



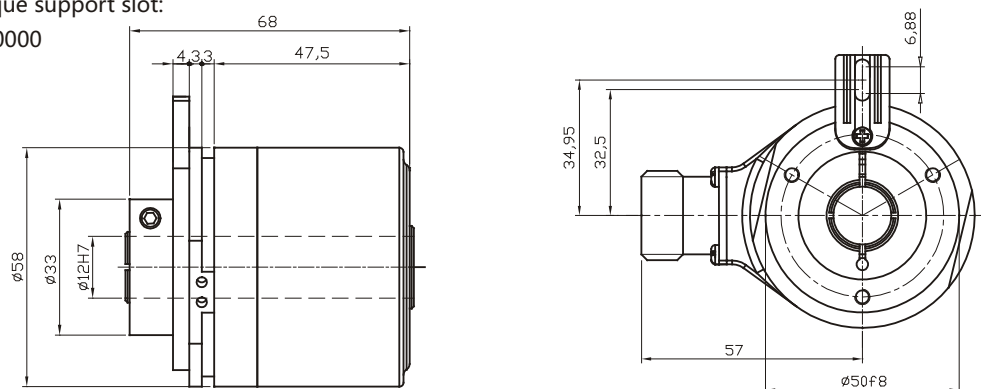
CI58H

Flexible fastening arm :
BE41350050



CI58K

Long torque support slot:
BE-4700.0000

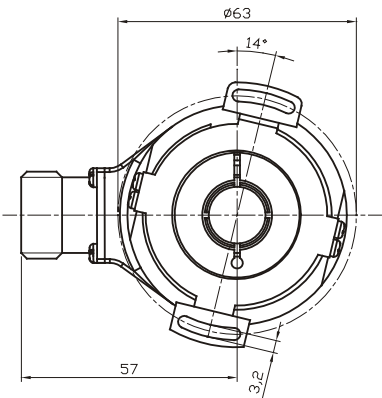
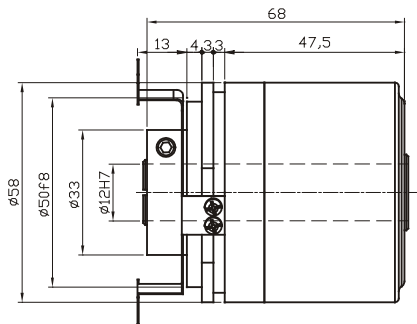


Dimensions

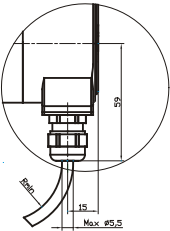
CI58W

Double-winged stator coupling :

BE41350043



Cable output



Rmin
Fix install: 55mm
Draw install: 70mm



Characteristics

- Crutch arm or block-pin etc. accessories provide flexible connections and more free angle.
- Resolution is 8192ppr, IP66 ensure precision & safety
- More compacted hollow shaft saves installation space & cost
- Metal crust is more shock resistant.
Compact structure suitable for tight mounting space.
- Stainlesssteel hollow shaft
Ø20/Ø25/Ø30/Ø35/Ø38/Ø40/Ø45 "C" lock ring fix.
- Direct cable output or connector is much more flexible and easy for maintenance.
The water-proof end rubber ensures high safety.
- Short-circuit protection. Reverse connection protection

Naming Rules

CI 100 P Y 30 - L5 P - 1024 . XXXX

1 2 3 4 5 6 7 8 9

1. Series

CI = Topydic Incremental

2. Housing Diameter

100

3. Flange Type

P=Short spring
K=Long torque support slot
R=Torque arm
H=Tether arm large
RP=Short spring
RK=Long torque support slot
RR=Torque arm
RH=Tether arm large

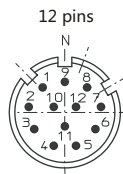
4. Output direction

Y=Radial
X=axis

5. Shaft Diameter

20=Ø20H7
25=Ø25H7
30=Ø30H7
38=Ø38H7
40=Ø40H7
45=Ø45H7

shaft add "K" mean hollow shaft with keyway(<=Ø40)
Eg:30K=Ø30K7 with keyway



Diameter	Lock ring	M3×8lockscrew
Ø20	BE412300050	M3×12
Ø25	BE412300036	M3×12
Ø30	BE412300037	M3×12
Ø38	BE412300042	M3×12
Ø40	BE412300038	M3×12
Ø42	BE412300049	M3×12
Ø45	BE412300039	M3×12

6. Output & Supply voltage¹⁾

L5=RS422(with reverse sign)	5Vdc power
L6=RS422(with reverse sign)	10~30Vdc power
L4=RS422(with reverse sign)	5~30Vdc power
H6=Push-Pull HTL(with reverse sign)	10~30Vdc power
H4=Push-Pull HTL(with reverse sign)	5~30Vdc power
P6=Push-Pull(without reverse sign)	10~30Vdc power
P4=Push-Pull(without reverse sign)	5~30Vdc power
E4=Push-Pull7272 HTL(with reverse sign)	5~30Vdc power

7. Type of connection

P=Output cable length 1.5m
T=M23,12pins plug without connector
If customer have special need,pls contact our company

8. Resolution

Pulse/r ≤8192
Attention:for pulse scale pls contact our company

9. XXXX

XXXX=special code

¹⁾ Only one channel allowed to be shorted-out
ifUb=5V, short-circuit to channel,0V,or+UB is permitted
ifUb=10...30V short-circuit to channel or 0V is permitted

Order code of the M23 connector : BTMSP1612F

Mechanical Characteristics

Hollow Shaft (mm)	Ø20H7/Ø25H7/Ø30H7/Ø35H7/Ø38H7/Ø40H7/Ø45H7	
Protection acc.to EN 60 529	IP64 standard, IP66(Max)	
Resolution	500,512,600,1000,1024,2000,4000,2048,4096,2500 5000,8192	
Speed (r/m)	Max.6000	
Max load capacity of shaft	Axial load capacity	80N
	Radial load capacity	160N
Shock resistance	50G/11ms	
Vibration resistance	10G / 2000Hz	
Bearing life	10 ⁹ revolution	
Rotor moment of inertia	<15×10 ⁻⁶ kgm ²	
Starting torque	<0.25Nm max.	
Body material	AL-alloy	
Housing material	AL-alloy + Black Paint	
Operating temperature	-20~+90°C	
Storage temperature	-40~+100°C	
Weight	850g	

Attention: Bold part is in stock. For other resolution pls contact our company.

Electrical Characteristics

Output circuit	RS422	Push-pull	Push-pull	Push-pull7272
Resolution	Max.8192ppr	Max.8192ppr	Max. 8192ppr	Max. 8192ppr
Supply voltage (Vdc)	5±0.25or5(10)-30	10-30	5-30	5-30
Power consumption (no load)	≤80mA	≤125mA	≤125mA	≤125mA
Permissible load/channel	±50mA	±80mA	±80mA	±80mA
Pulse frequency	Max. 800 kHz	Max. 800 kHz	Max. 800 kHz	Max. 800 kHz
Signal level high	Min.3.4V	Min.Ub-1.8	Min.Ub-1.8	Min.Ub-2.5
Signal level low	Max.0.4V	Max.2.0V	Max.0.4V	Max.0.4V
Rise time Tr	Max 200ns	Max 1μs	Max 1μs	Max 1μs
Fall time Tf	Max 200ns	Max 1μs	Max 1μs	Max 1μs

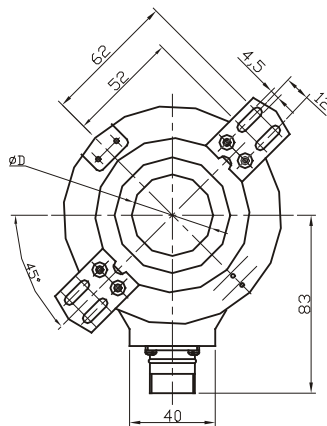
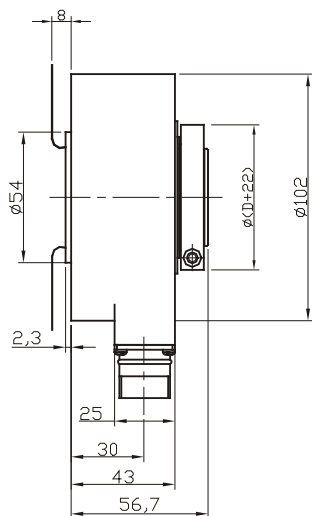
Terminal Assignment

Signal	0V	+Ub	A	$\bar{A}$	B	$\bar{B}$	Z	$\bar{Z}$	0V Sen	+Ub Sen	Shield
Color	WH	BN	GN	YE	GY	PK	BU	RD	GY/PK	RD/BU	$\perp$
Pin	10	12	5	6	8	1	3	4	11	2	PH

Dimensions

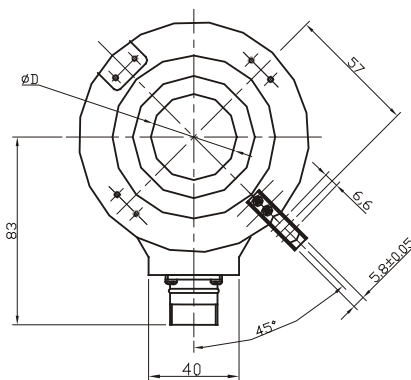
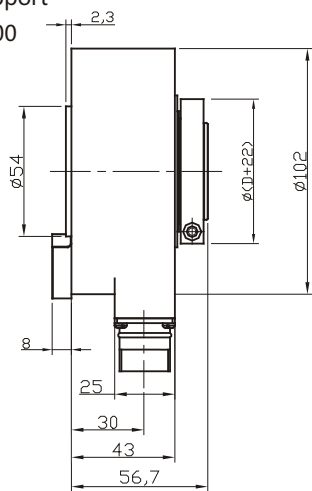
CI100P

Short spring :
BE41350013

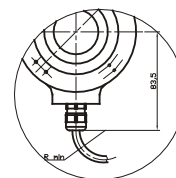


CI100K

Long torque support
slot: BE4A00.0000



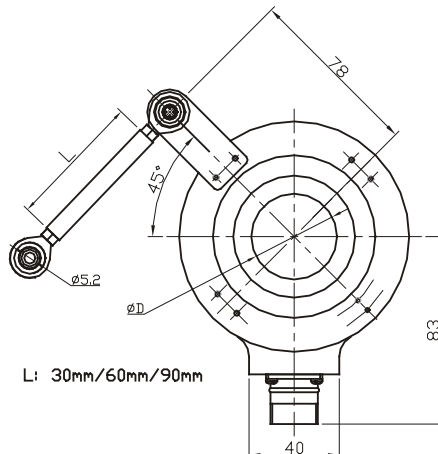
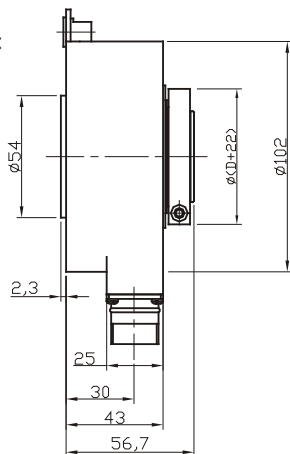
Cable output



Rmin
Fix install: 55mm
Draw install: 70mm

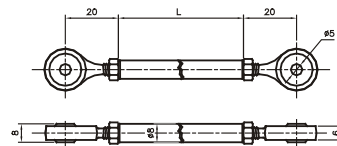
CI100R

Torque arm code:
BSN5A30
BSN5A60
BSN5A90



L: 30mm/60mm/90mm

Crutch arm order:
SN5AXX (30,60,90 mean length)

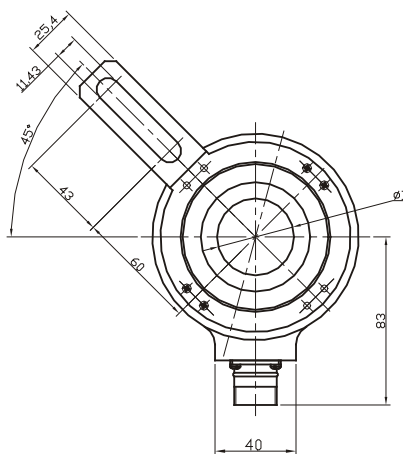
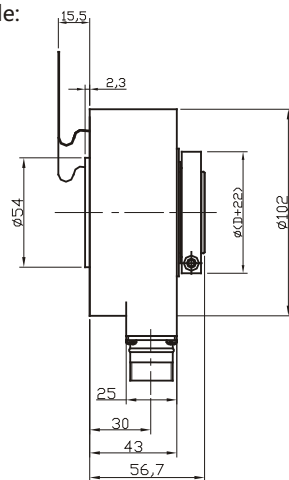


Dimensions

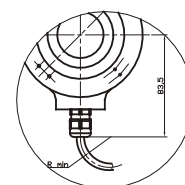
CI100H

Tether arm large code:

BE41350051



Cable output

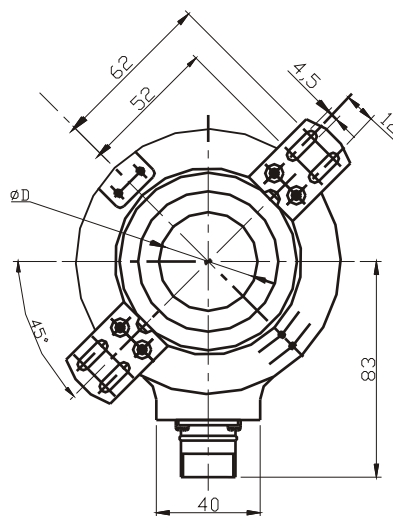
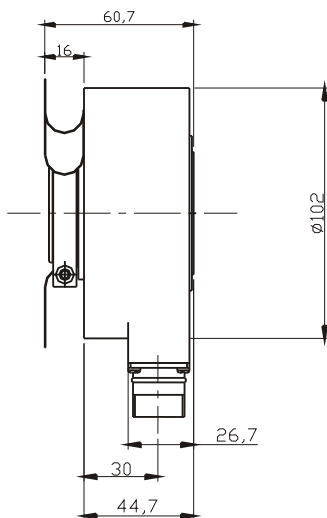


Rmin
Fix install: 55mm
Draw install: 70mm

CI100RP

Short spring code:

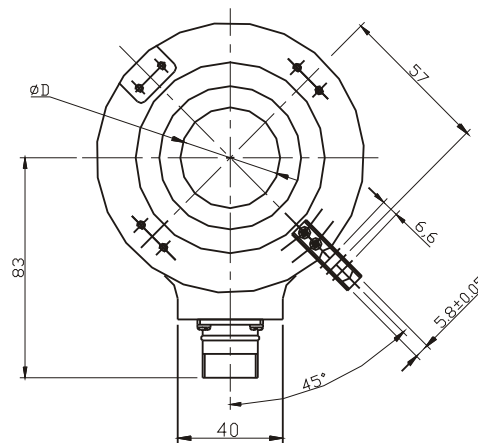
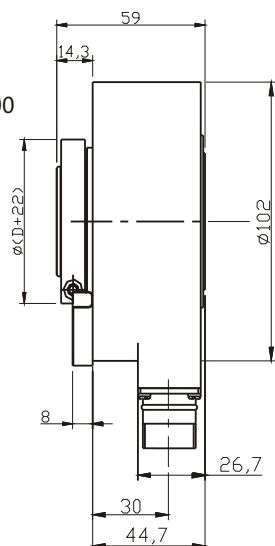
BE41350013



CI100RK

Long torque support

slot code: BE4A00.0000



ØD Ø25/Ø30/Ø38/Ø40/Ø45